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FAX NO.: 8.1.571.273.8300

DATE: August 14, 2007

FROM: J. Paul Plummer, Reg. No. 40,775

Fax No. (713) 431-4664

RE: US 10/550,406

Attorney Docket No. 2003UR016

**TOTAL NUMBER OF PAGES TRANSMITTED:**  
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PTO/SB/21 (04-07)

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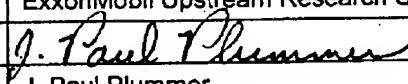
Total number of pages in this submission

Application Number	10/550,406
Filing Date	09/21/2005
First Named Inventor	Christine E. Krohn
Group Art Unit	3663
Examiner Name	Deandra M. Hughes
Attorney Docket Number	2003UR016

**ENCLOSURES (check all that apply)**

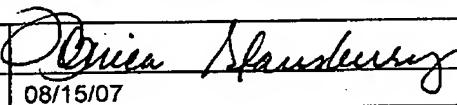
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**SIGNATURE OF APPLICANT, ATTORNEY OR AGENT**

Firm Name	ExxonMobil Upstream Research Company		
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Date	08/15/07	Reg. No.	40,775

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/550,406 Confirmation No.: 2261  
Applicant : Christine E. Krohn Date: 15 August 2007  
Filed : September 21, 2005  
TC/Art Unit : 3663  
Examiner : Deandra M. Hughes  
Docket No. : 2003UR016

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

*Via Facsimile: 81.571.273.8300*  
*9 pages*

RESPONSE TO FIRST OFFICE ACTION

Sir:

This communication is in response to the Office Action mailed June 5, 2007 concerning the above identified patent application.

**Remarks** begin on page 2 of this paper;

**Amendments to the Specification** begins on page 6 of this paper;

**Conclusion** begins on page 7 of this paper.